

MAINTENANCE NOTE 5 (for Electronics Technicians)

Engineering Division
W/OSO321:FLP

5. ART Repair Philosophy After Lightning Damage

General

1. This maintenance note informs electronics technicians of the repair philosophy for the ART system after major lightning damage.
2. Effect on Other Instructions: None.

Procedure

Past system outages due to lightning have resulted in major damage and multiple LRU failures. Ordering multiple LRUs to repair these systems places an extreme drain on LSS stock levels. Several of these outages also required multiple orders which resulted in extended outages due to increased logistics delay times. To improve repair and logistics delay times, complete chassis (R/ACU, RAT, AT, MCU, and RCUs) are being stocked in the LSS inventory at NLSC. Complete chassis should be ordered to repair a station that has been damaged by lightning.

The R/ACU is stocked without servo amplifiers. Past failures indicate that the servo amplifiers are not damaged by lightning. When replacing the R/ACU, the servo amplifiers from the failed unit should be used.

Complete chassis should only be ordered to repair a station that has been damaged by lightning. Orders for these units must be approved by regional headquarters.

Until EHB-1 is updated, use the following part numbers and descriptions to order the units:

<u>WSN</u>	<u>Description</u>	<u>NSN</u>
J170-1A3A1	Receiver/Antenna Control Unit (R/ACU) without servo amplifiers - to be used for lightning damage repairs	6660-00-000-7770-X
J170-3A2-1	Range Angle Time Display (RAT) complete - to be used for lightning damage repairs	6660-00-002-2220-X

J170-3A2-2	Angle Time Display (AT) complete - to be used for lightning damage repairs	6660-00-000-0091-X
J170-3A3	Master Control Unit (MCU) complete - to be used for lightning damage repairs	6660-00-397-9731-X
J170-5A1	Remote Control Unit (RCU) complete - to be used for lightning damage repairs	6660-00-000-0000-X

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